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PREFACE

This 10-year index was prepared from cards used in annual indices prepared by Mrs. C. E. Cox, Mrs. A. E. Dimond, and Mr. Kelvin Deming. Since different persons prepared entries and categories in the 10-year period, inconsistencies were encountered in preparing a 10-year index from entries designed originally for annual indices. That we were successful in eliminating all such inconsistencies is a hope that probably was not achieved.

In general, the categories and their arrangement are listed as in the last 10-year index for uniformity in using successive indices. Occasionally a given category was erected by one of the annual indexers, but not used by the other 2; this necessitated omission of the new category, useful as it might be, as the category would be incomplete for the decade. It was not feasible to fill in the missing entries for such categories. Instead, the newly erected category was combined with a similar one used by the other 2 indexers. Thus, "Inheritance of resistance" was combined with "Genetics of resistance" under "Genetics." It is also possible that certain established categories were not utilized by all 3 indexers and thus entries from one or more years might have been omitted. To compensate partially for this, certain similar categories were cross-referenced.

Wherever possible or feasible, bacteria, fungi, host plants, insects, nematodes, viruses, and weeds were listed under the scientific name. The common name also was listed but with a reference made to the scientific one. As in the last decennial index, the common name was sometimes used in preference to the Latin name, either because the common name was so well known, *e.g.*, wheat, or because it was not always clear which scientific name was intended, *e.g.*, Geranium (which could refer to the genus *Geranium* or to the genus *Pelargonium*) or millet (which could refer to 6 different genera). Therefore, such entries were listed under both common and scientific names.

Where bacteria, insects, nematodes, or viruses were grouped together in the index, they were listed by common names; in addition, each appears in alphabetical order under its binomial if such was given in the original paper.

In erecting general categories, the intent was not to duplicate entries as such, but to list the entry in a different form. For example, utilization of specific nutrients or elements by a microorganism is listed under "Nutrition of microorganisms." On the other hand, if an entry was sought regarding nutrition of a given species, the index user would look under the category "Physiology of microorganisms," where the species are listed.

Similarly, viruses were listed under each host, under a subheading "viruses on." In addition, under the category, "Viruses," the virus symptoms were given and the hosts listed under the symptom. Thus, all the mosaics are grouped together, all the mottles, all the ringspots, *etc.*

Chemicals were listed in a number of categories and a given chemical might be listed in one or more of the following: Chemotherapeutants, Fungicides, Growth regulators, Insecticides, Miticides, Nematocides, Seed treatment, and Soil fumigants. Both common or coined names of chemicals were listed. The list of coined names created by the American Standards Association is given in Phytopathology **45**:295-302 and in **50**:248.

This index represents a substantial increase in entries compared with the last decennial index. There were more papers published in the last 10 years, the entries in this index are more detailed than in the last one, and several new categories were erected.

The inclusion of new categories indicates the rapidly expanding research in specific areas. For example, Chemotherapy, Chemotherapeutants, Nutrition of microorganisms, Nematocides, Radiation, and Radioactive elements. Previously existing categories have been enlarged substantially, especially Fungicides, Nematocides, and Viruses.

A new feature of this 10-year index is the reference to illustrations, each entry being indicated in *italic* type.

The compilers of this index greatly appreciate the efficient and meticulous assistance given by Mrs. Vivian Schwab, in typing and checking the index manuscript.

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VOLUMES 41-50

AUTHOR AND SUBJECT INDEX.

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Junior authorship indicated by page numbers in parentheses.

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